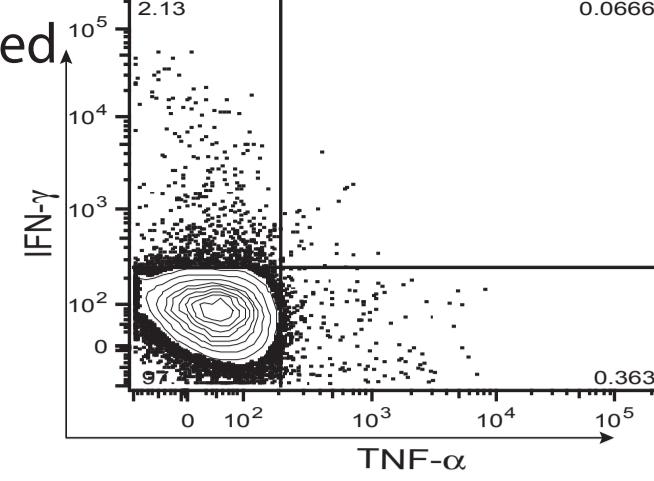
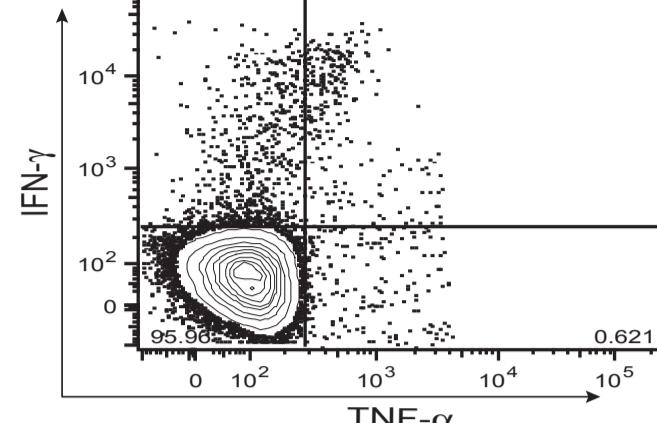


**Figure-S1A**

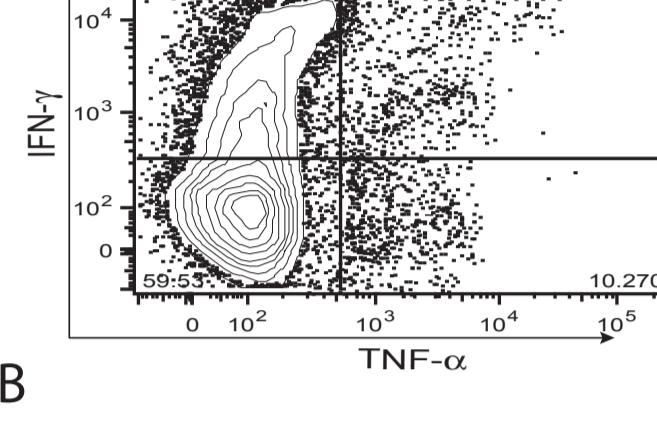
Unstimulated



Ss Ag

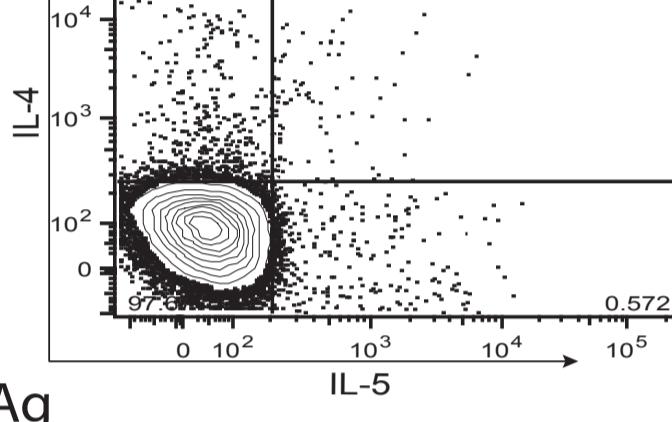


P/I

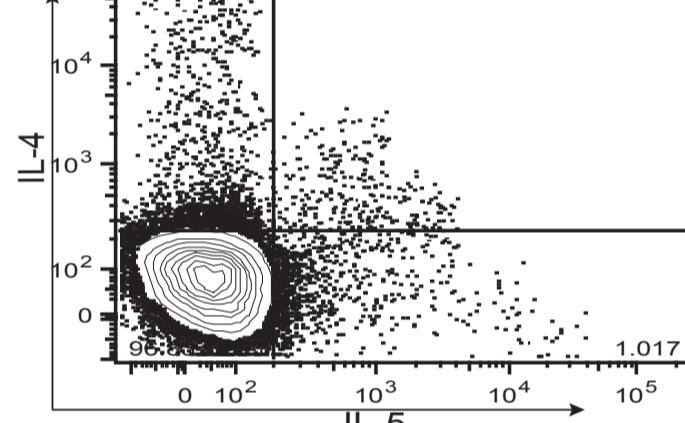


**Figure-S1B**

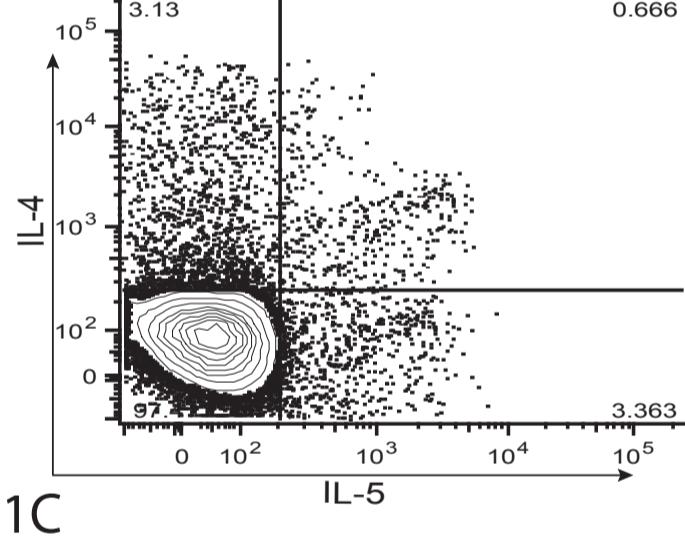
Unstimulated



Ss Ag

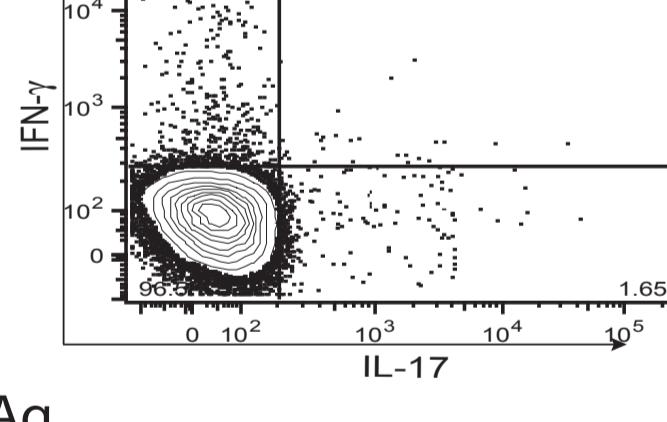


P/I

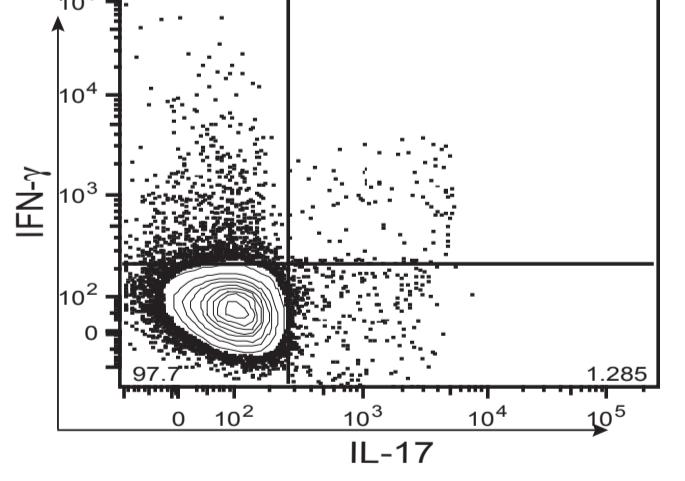


**Figure-S1C**

Unstimulated



Ss Ag



P/I

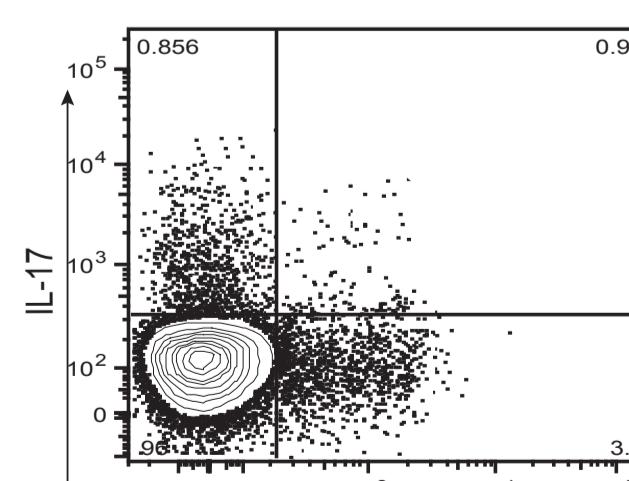
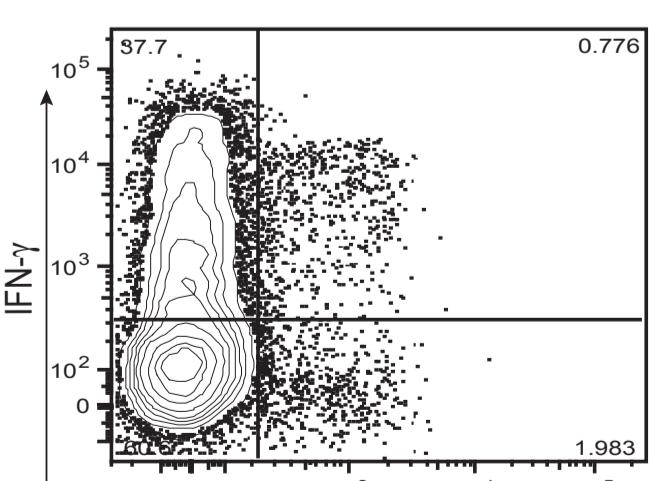
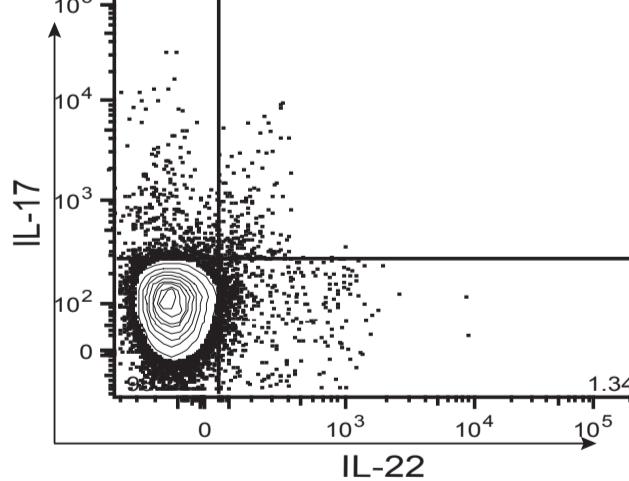
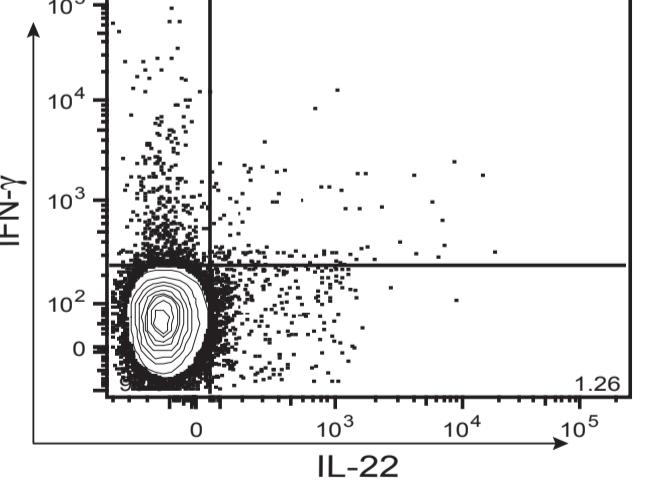
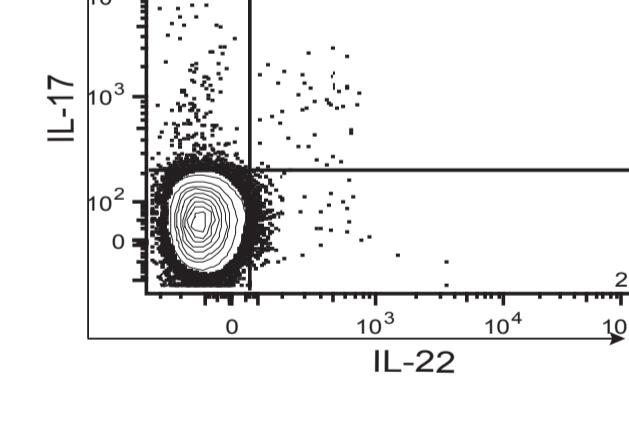
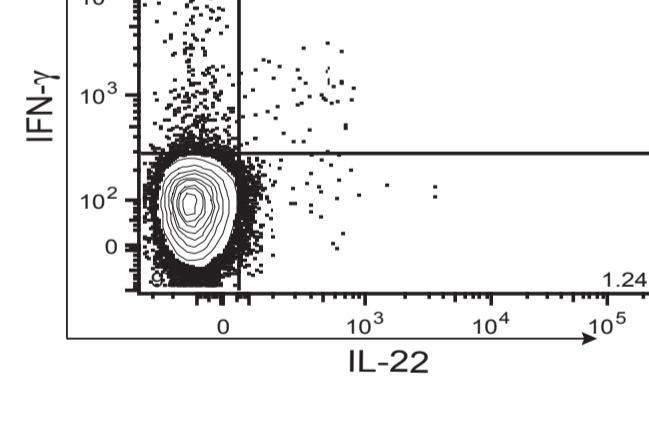
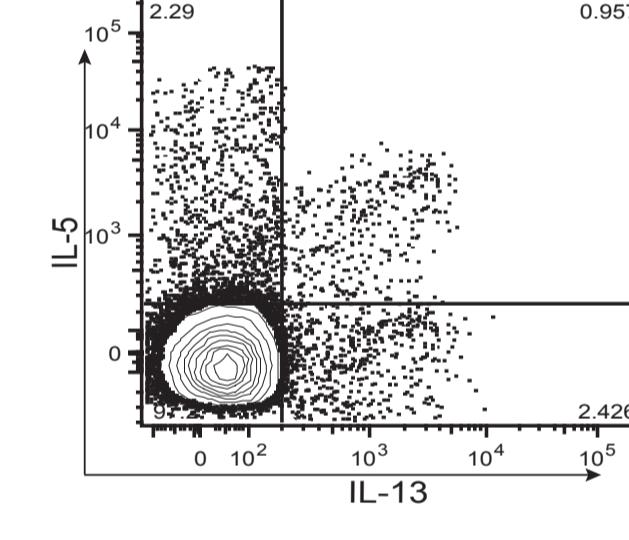
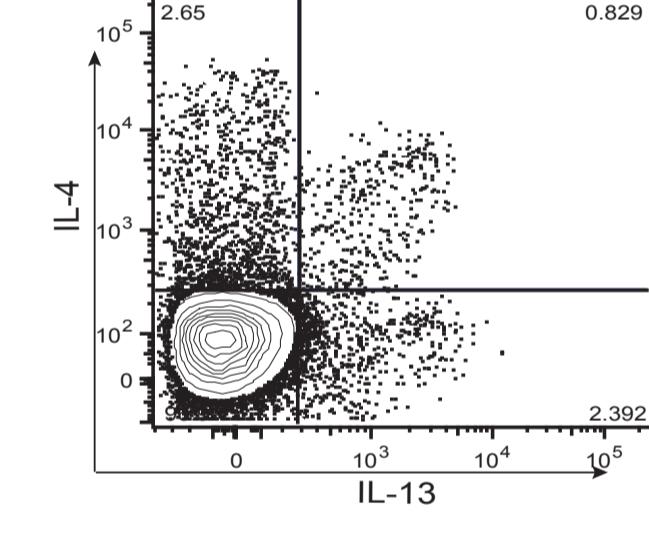
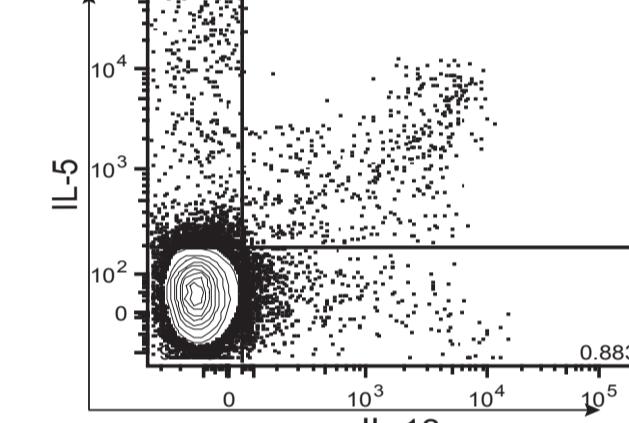
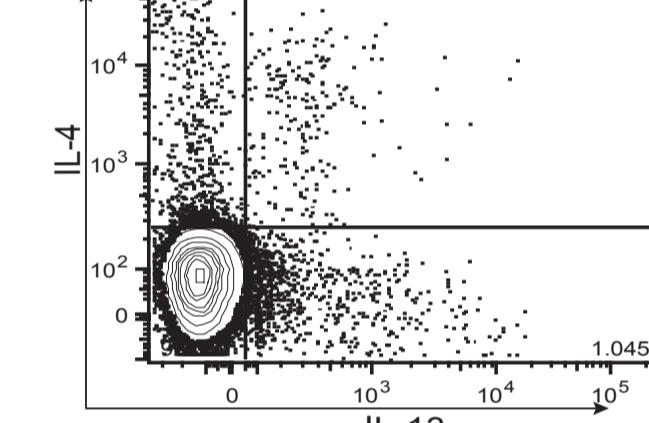
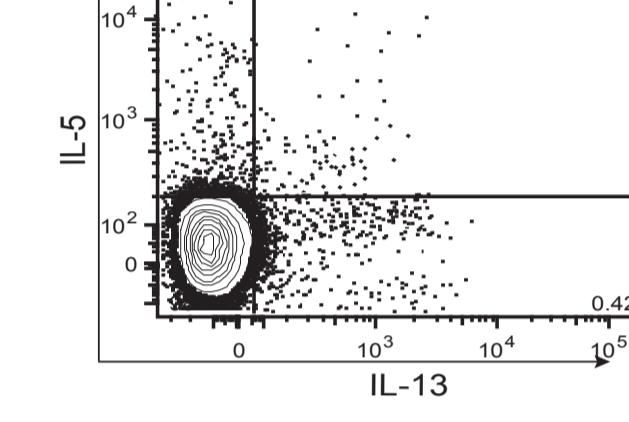
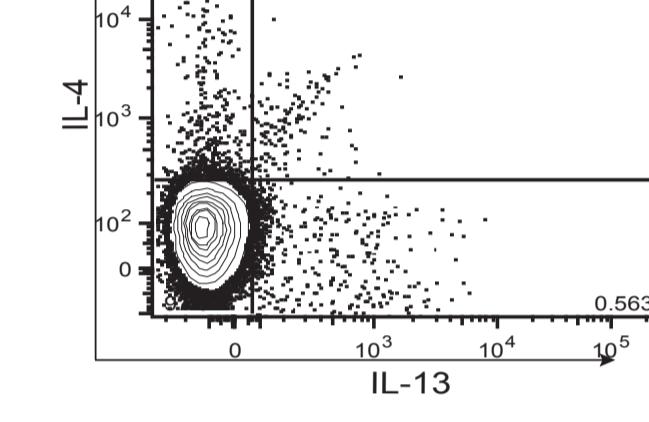
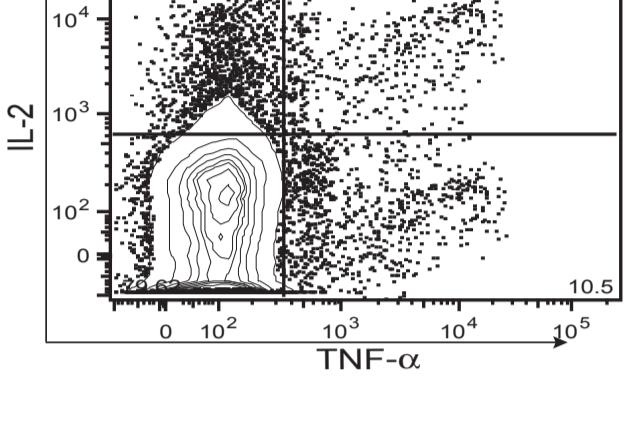
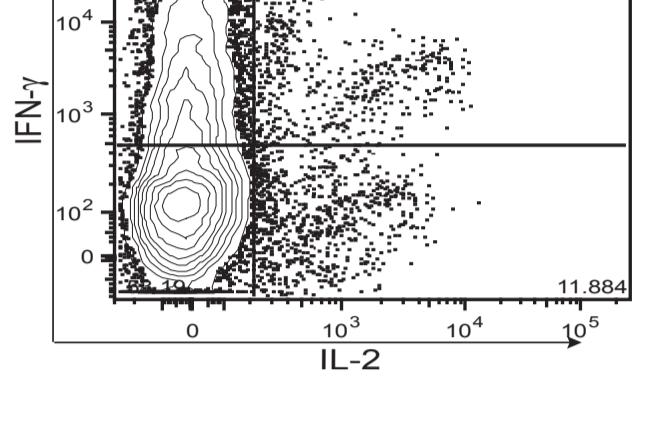
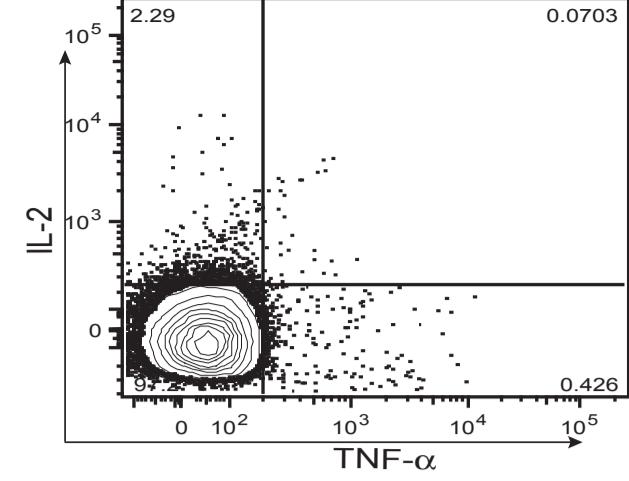
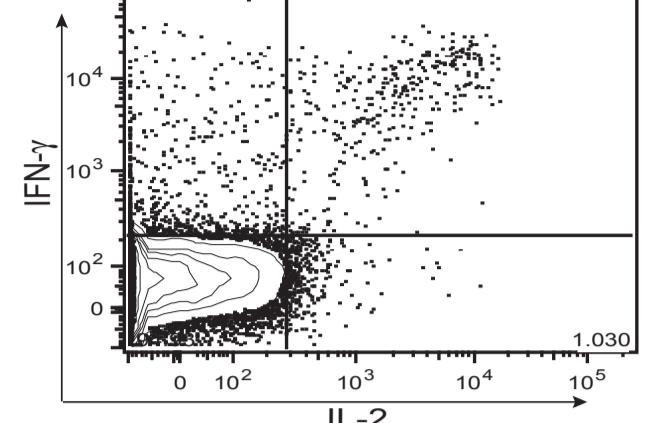
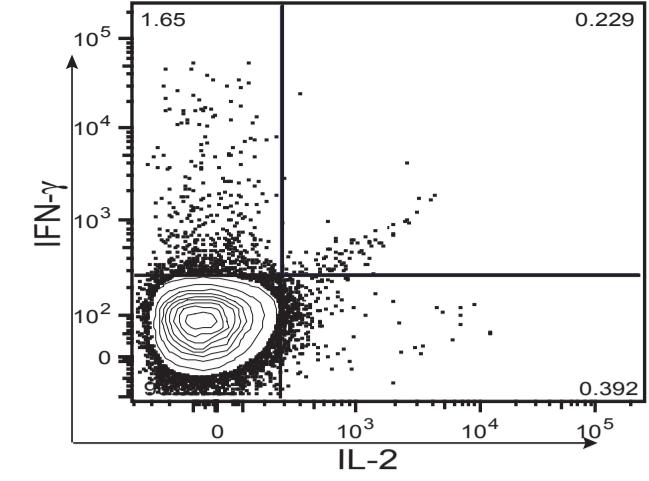
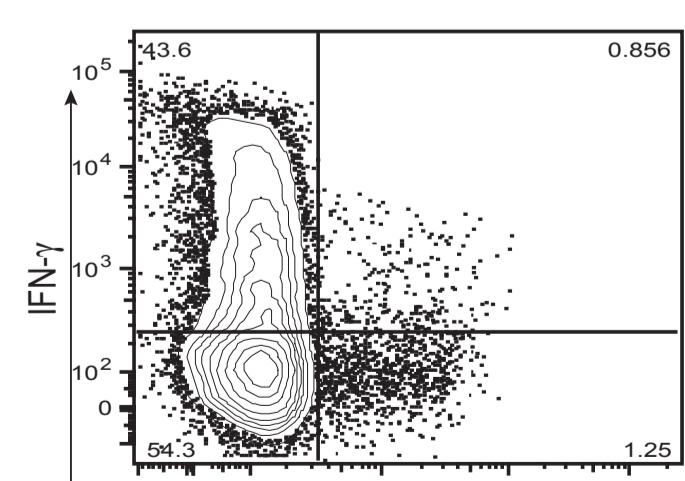


Figure S1. Ss infection is associated with altered Fo of mono - and dual - functional Th1, Th2 and Th17 cells. Whole blood was cultured with media alone for 6 h and the baseline and antigen - specific Fo of Th1 cells determined. A representative whole-blood intracellular cytokine assay flow data from a INF individual showing expression of Th1 (A), Th2 (B) and Th17 (C) cytokines at baseline and following stimulation with SsAg or P/I. The plots shown are gated on CD3+CD4+ T cells.

Fig .S2  
A. Ss Ag

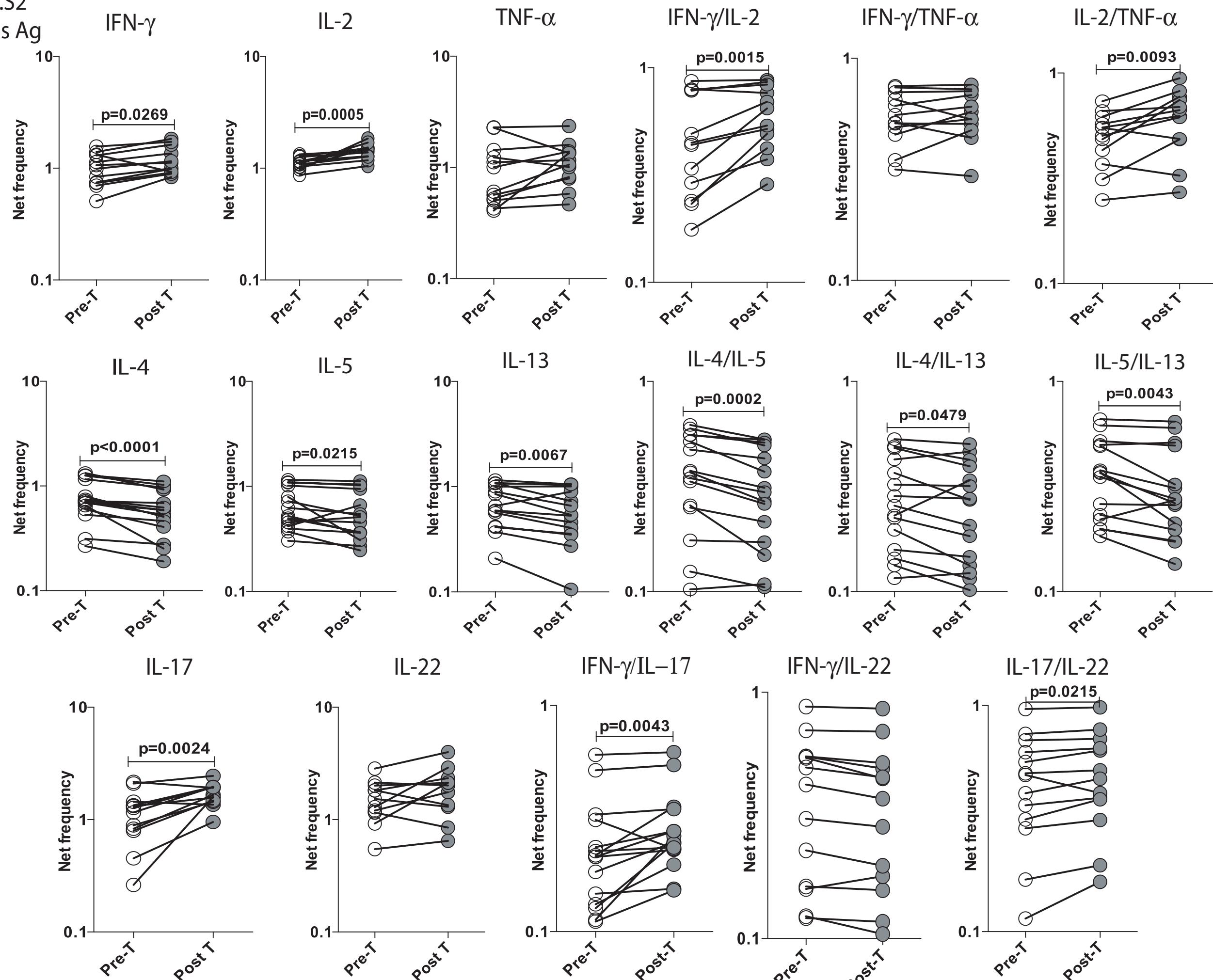


Figure S2. Treatment of Ss infection is associated with increased Fo of antigen – specific Th1, Th2 and Th17 cells. (A) The Fo of Th1, Th2 and Th17 cells following stimulation with SsAg before and after treatment with a standard dose of ivermectin and albendazole in a subset of INF individuals (n=15). (B) The Fo of Th1, Th2 and Th17 cells following stimulation with P/I before and after treatment with a standard dose of ivermectin and albendazole in a subset of INF individuals (n=15). Antigen – stimulated Fo are shown as net Fo with the baseline levels subtracted. Each line represents a single individual. P values were calculated using the Wilcoxon signed rank test.

Figure S3 A. Uninfected

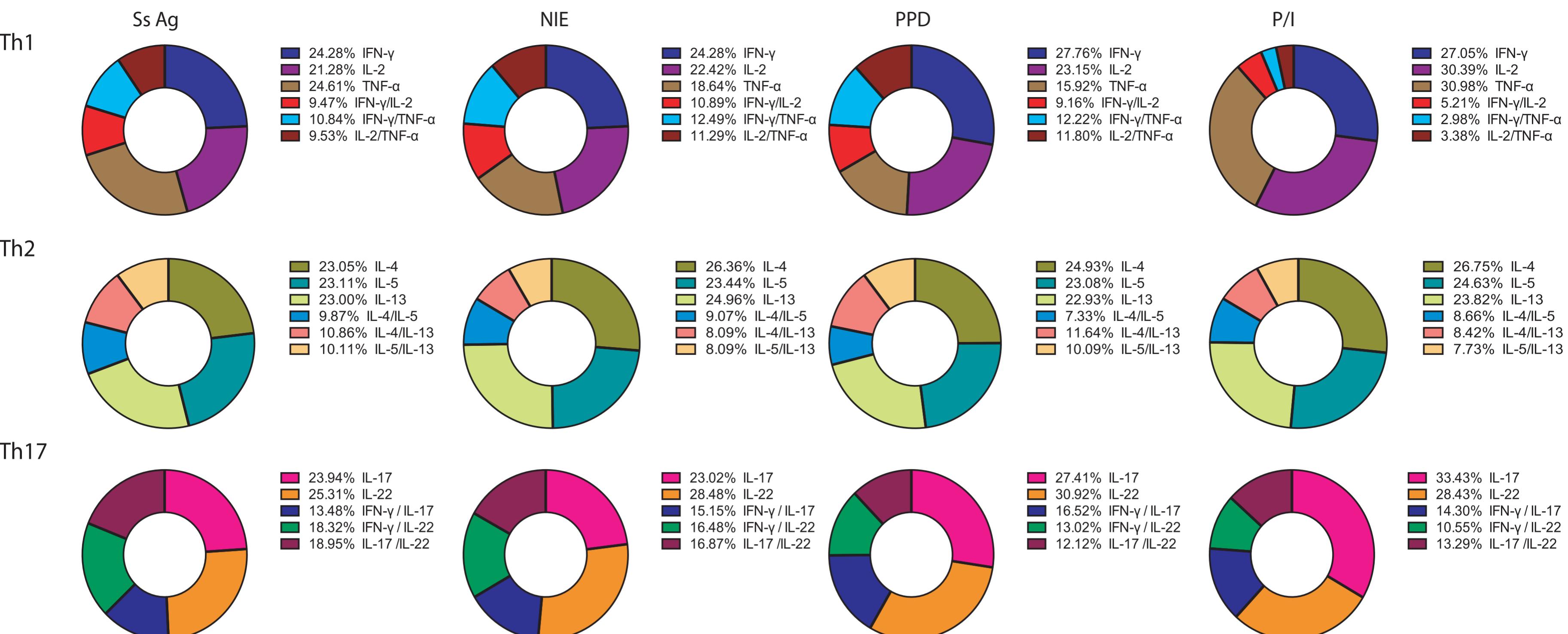


Figure S3 B. Infected-Pre-Treatment

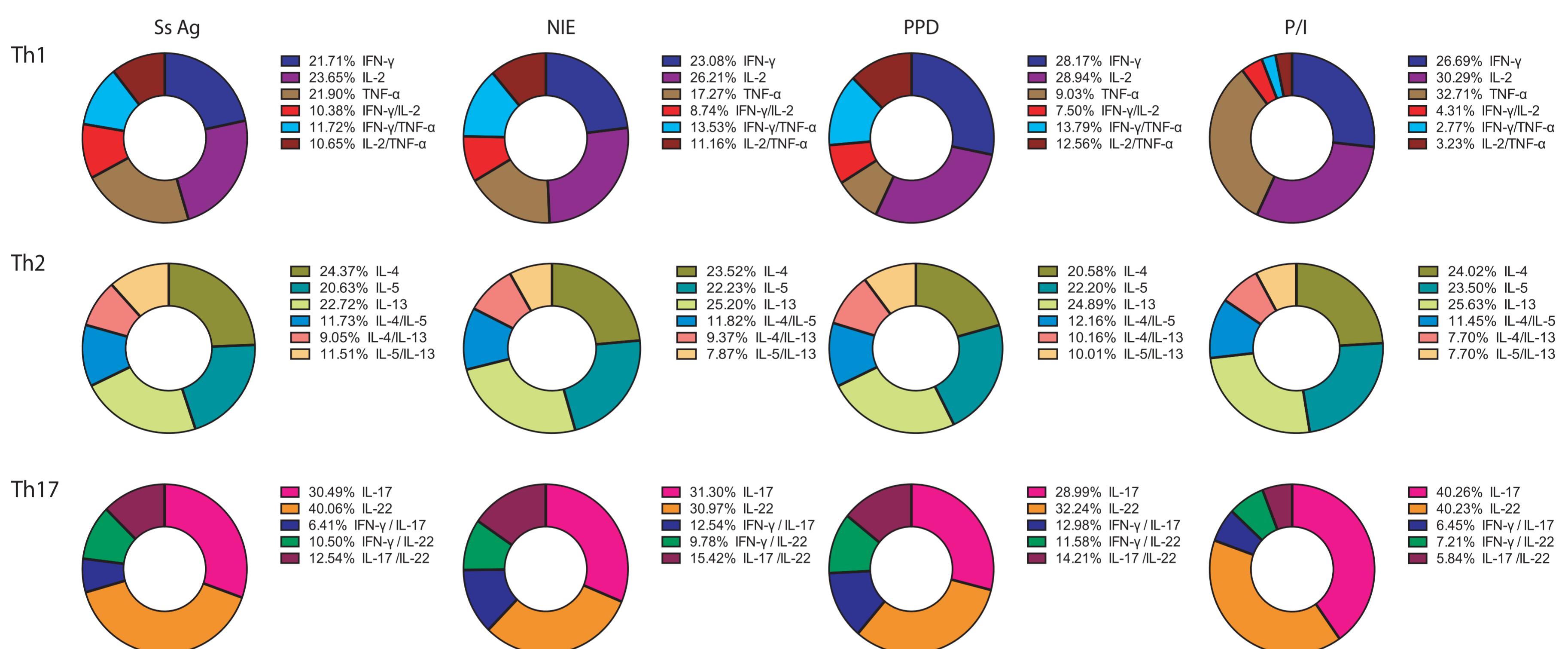


Figure S3 C. Infected-Post-Treatment

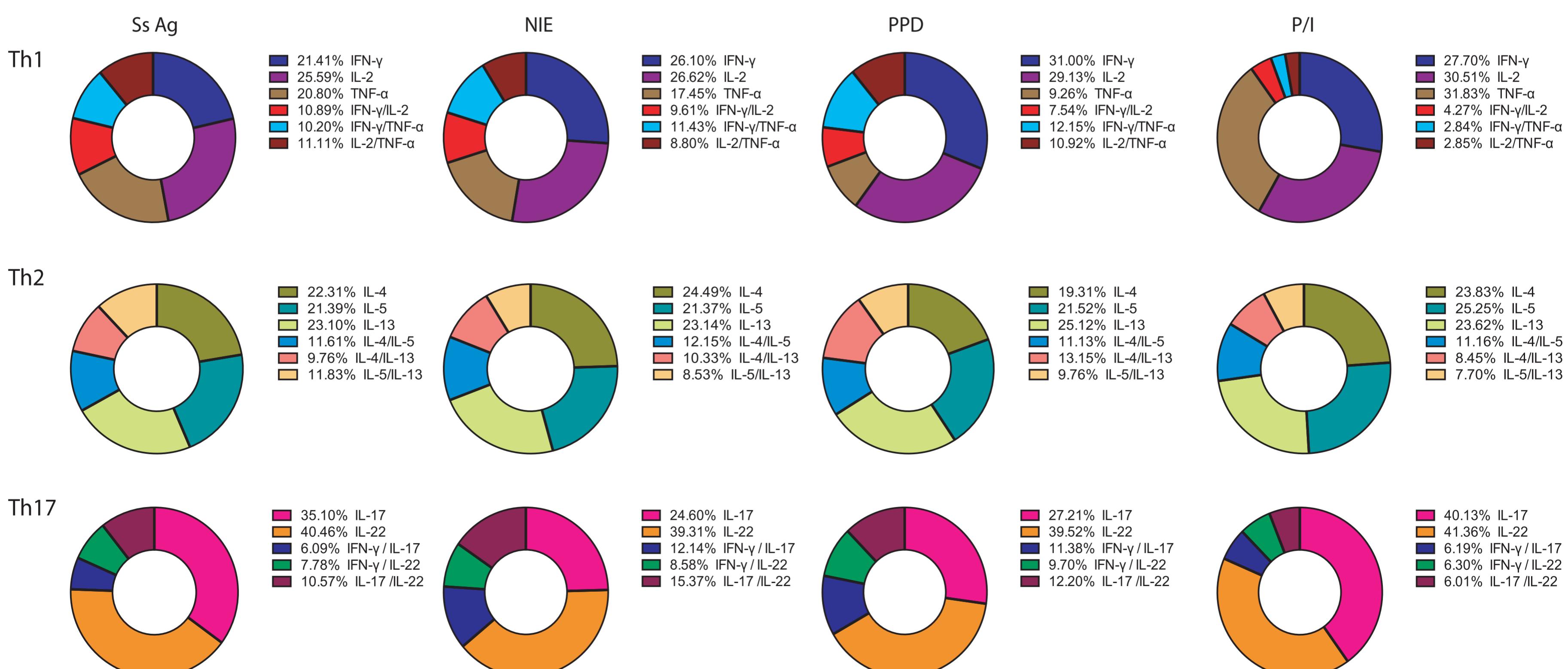


Figure S3. Fo distribution of mono - and dual - functional Th1, Th2 and Th17 cells in Ss infections. The antigen (SsAg, NIE and PPD) as well as the P/I stimulated Fo of mono – and dual – functional CD4+ Th1, Th2 and Th17 cells in UN (A) individuals and INF individuals before (B) and after treatment are shown. Data are represented as pie charts with each piece of the pie representing the geometric mean percentages of the mono - or dual - functional CD4+ T cell subsets in each group and under each condition with total cytokine producing CD4+ T cells serving as 100%.